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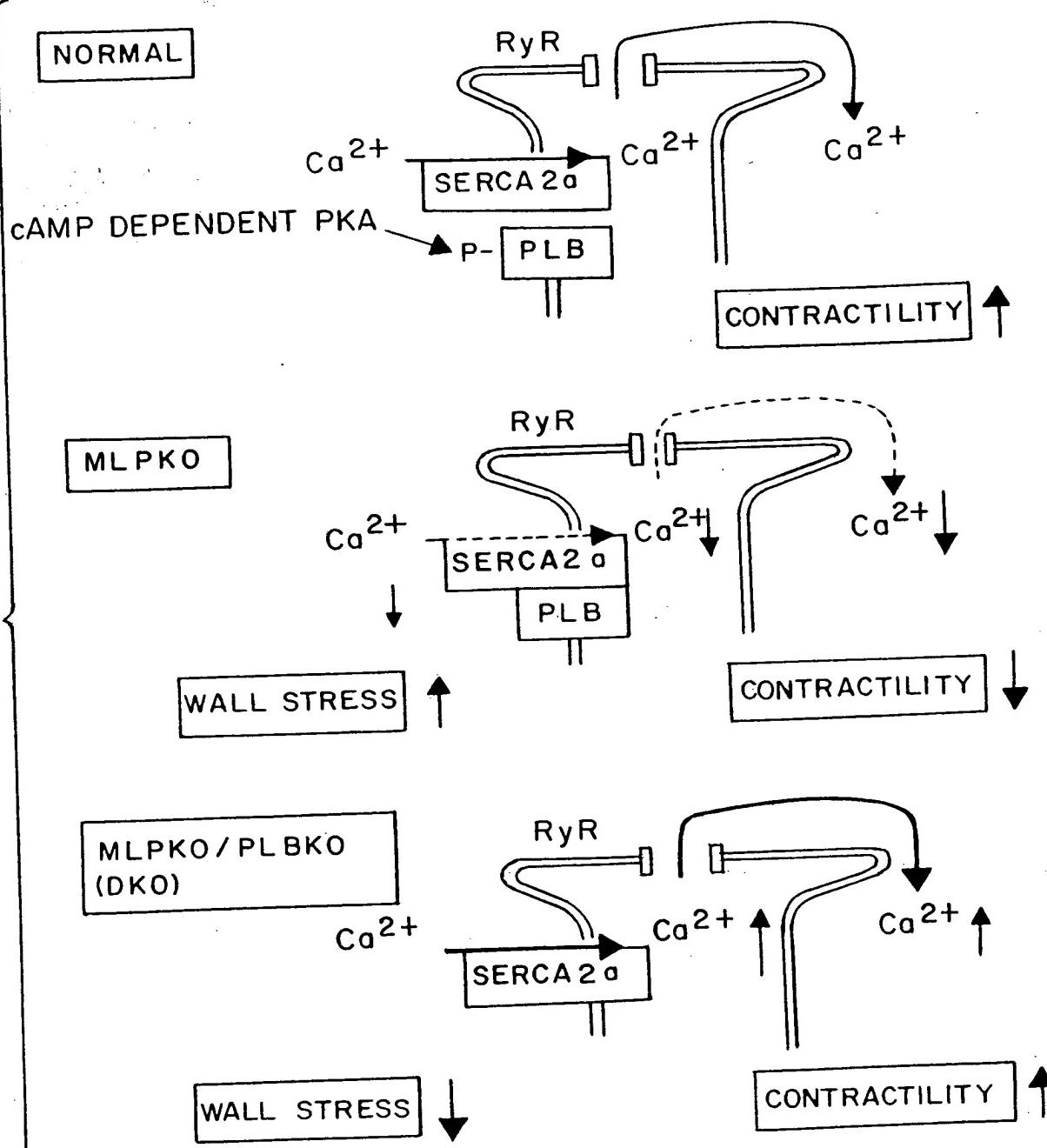


FIG. I

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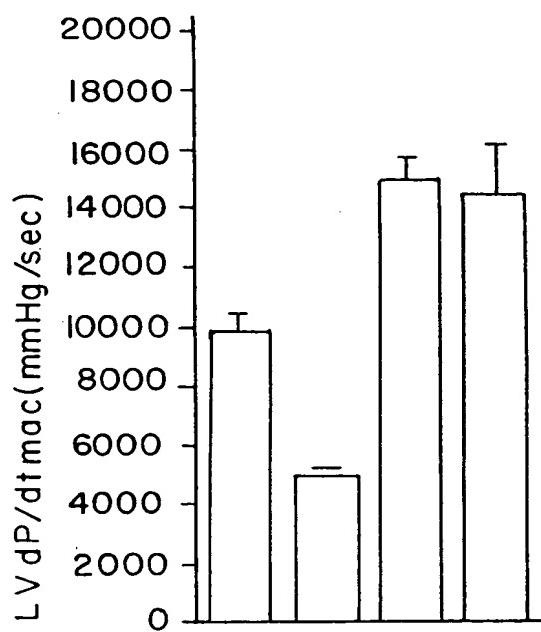


FIG. 2a

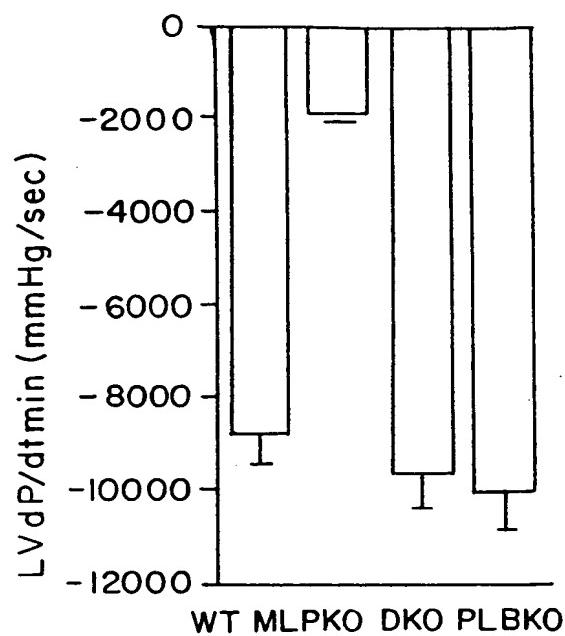


FIG. 2b

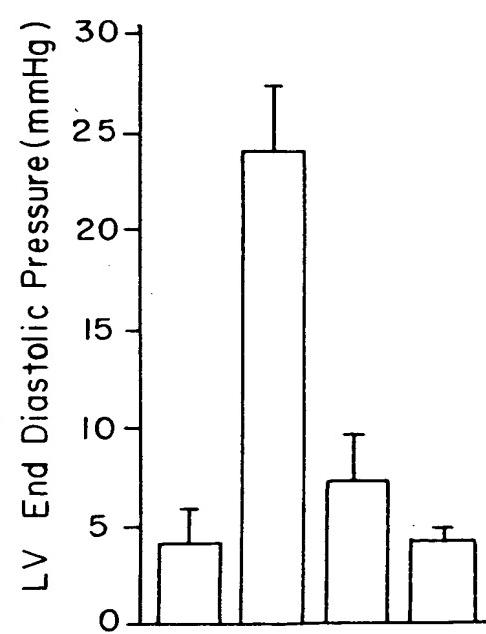


FIG. 2c

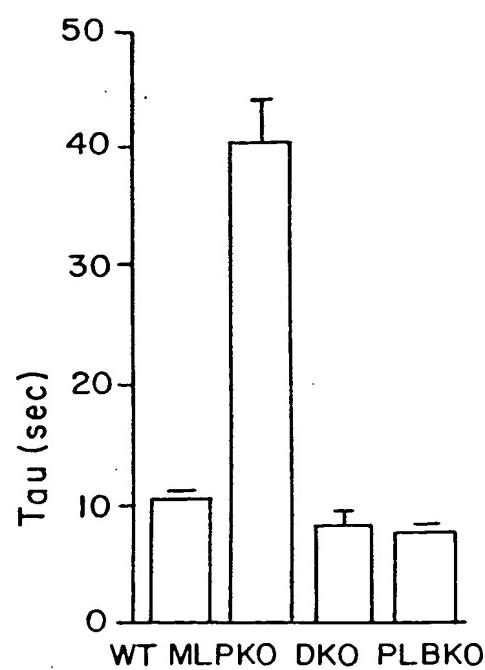


FIG. 2d

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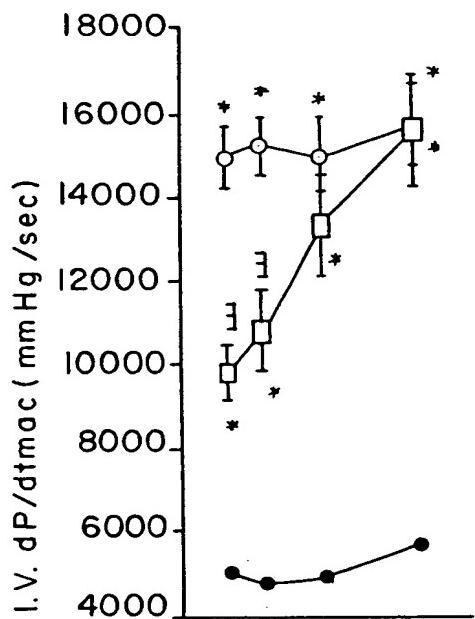


FIG. 2e

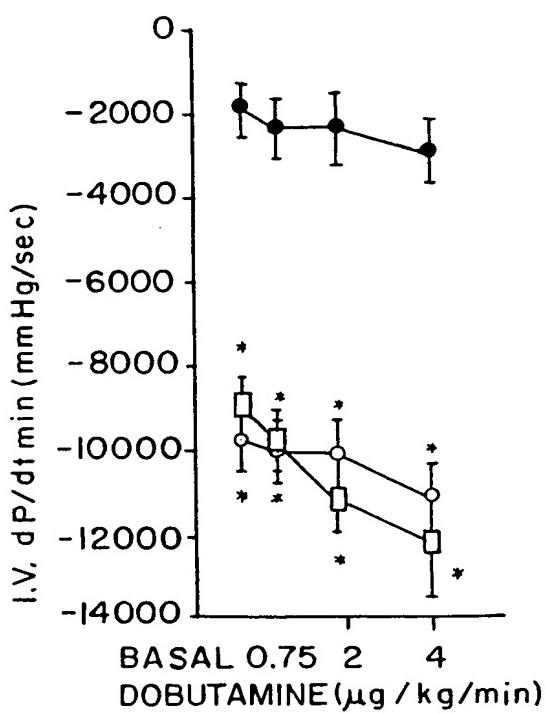


FIG. 2f

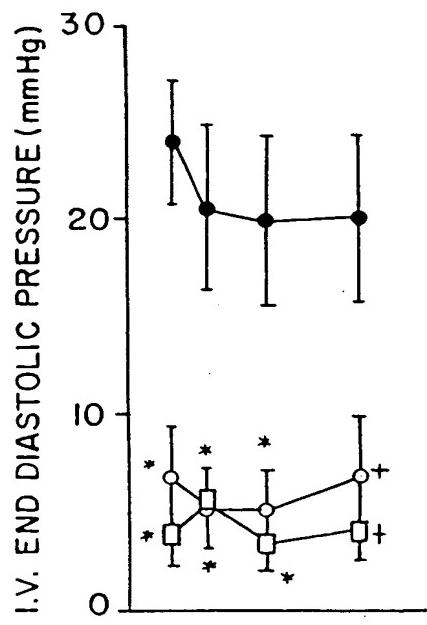


FIG. 2g

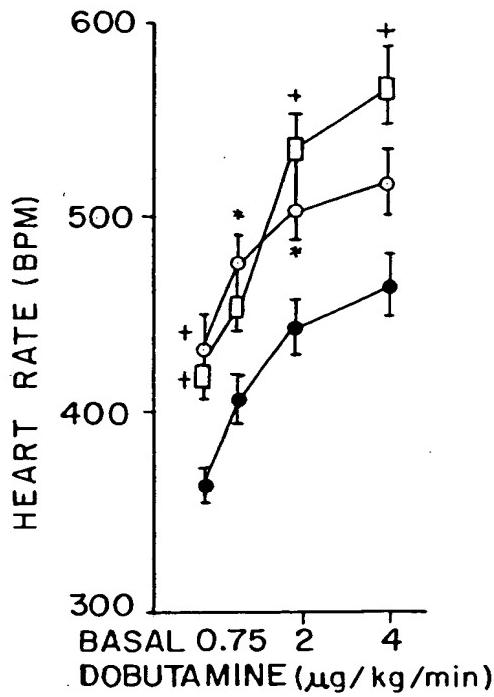


FIG. 2h

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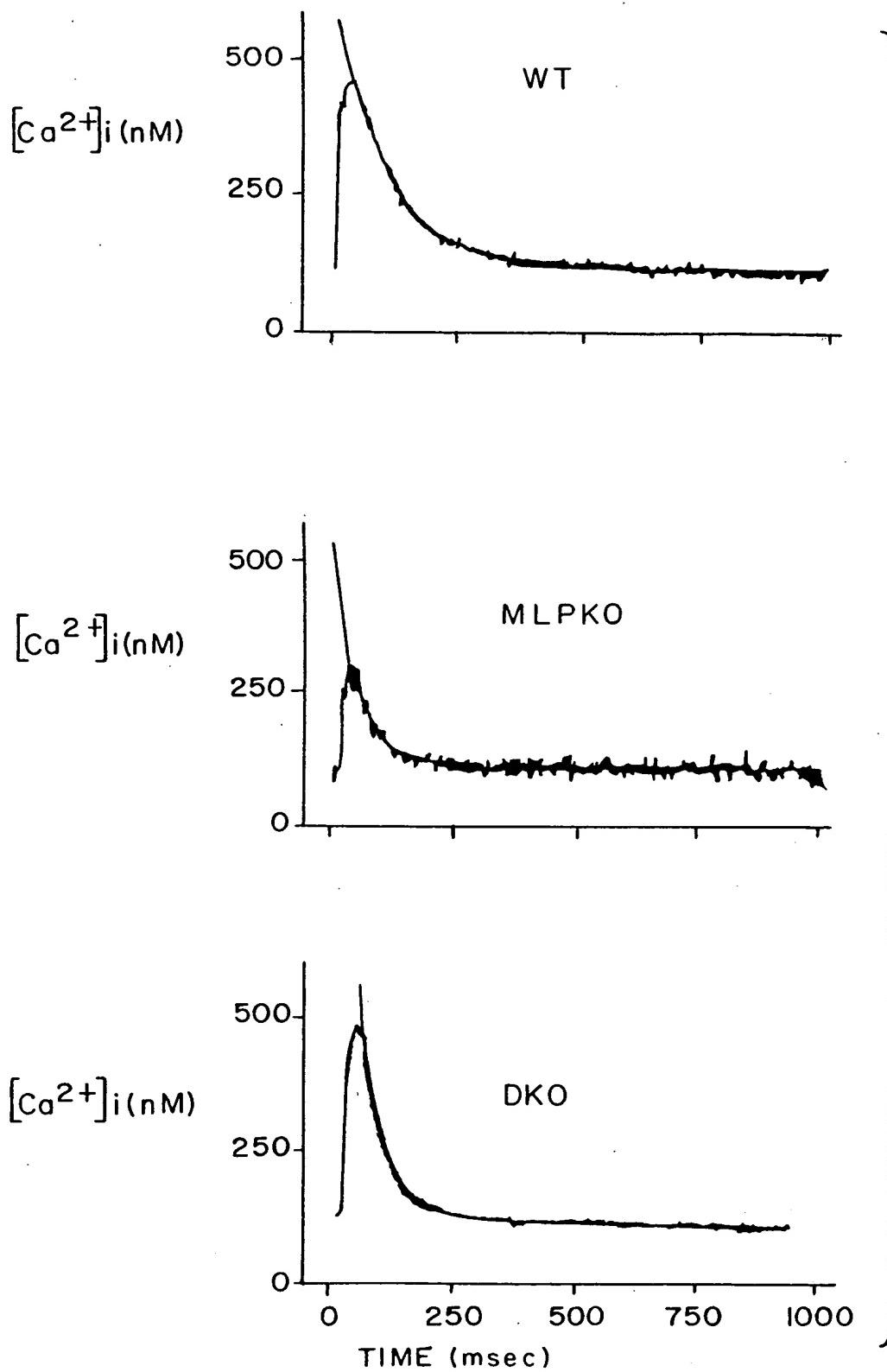


FIG. 3a

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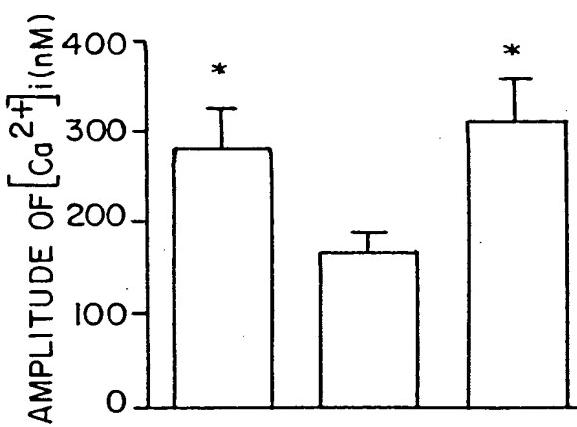


FIG. 3b

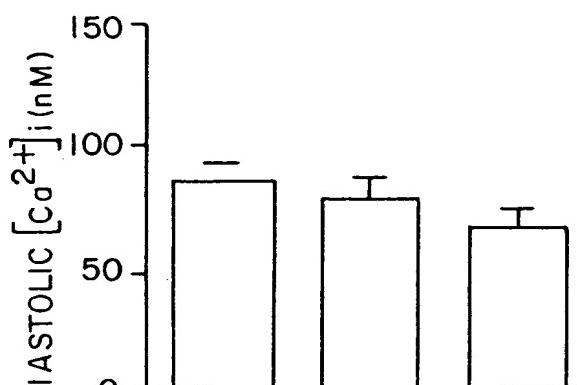


FIG. 3c

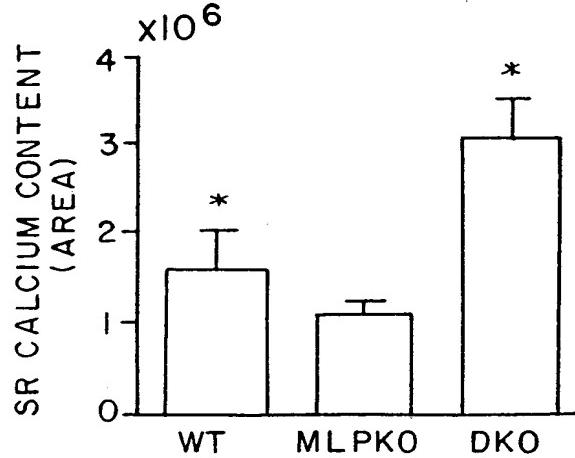


FIG. 3d

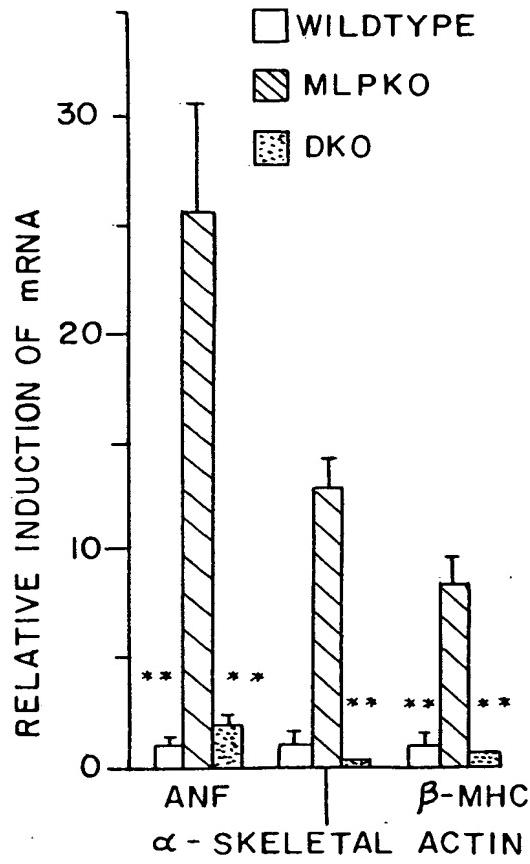


FIG. 4b

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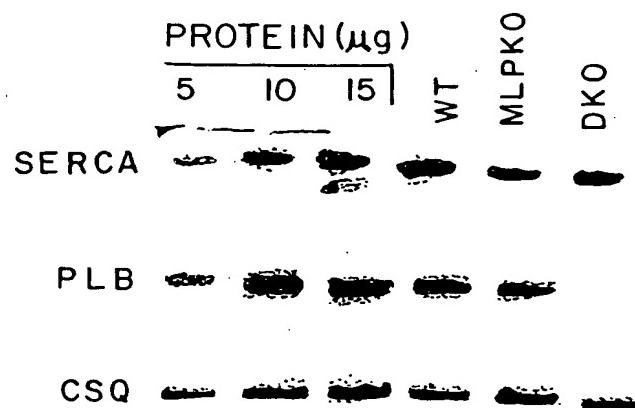


FIG. 3e

09/830779 = FIGURE 3e

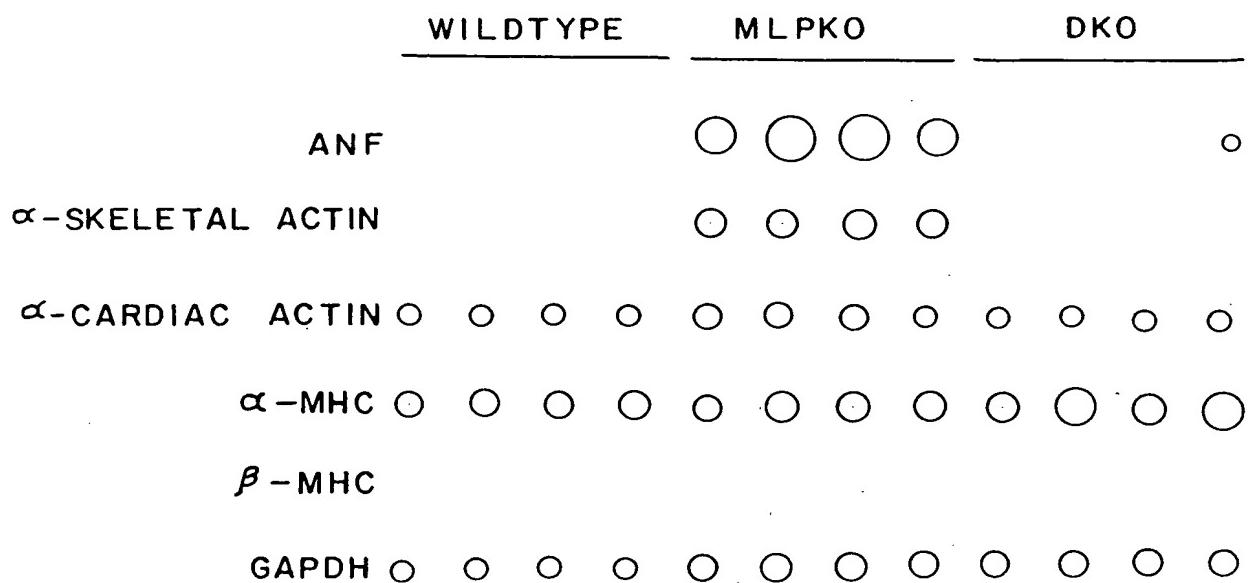


FIG. 4a

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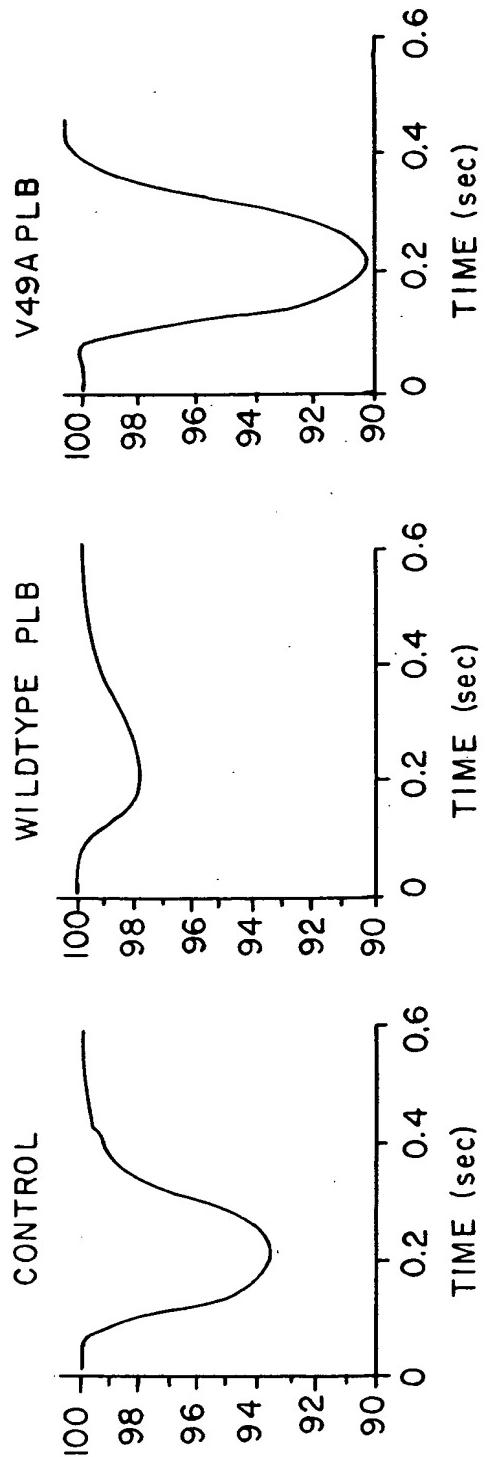


FIG. 5a

| | CONTROL n=7 | WILDTYPE PLB n=3 | V49A MUTANT PLB n=4 |
|-------------------------|----------------|---------------------|------------------------|
| SHORTENING % | 7.20 | 0.60 | 3.50 |
| $-dL/dt$ (mm) | 88.4 | 10.3 | 48.4 |
| $+dL/dt$ (mm) | 56.6 | 6.5 | 28.1 |
| CELL LENGTH (μm) | 104.5 | 3.1 | 109.2 |
| | | | 3.9 |
| | | | 11.45 |
| | | | 0.88 ** |
| | | | 150.3 |
| | | | 9.6 *** |
| | | | 116.5 |
| | | | 13.5 *** |
| | | | 108.7 |
| | | | 3.3 |

FIG. 5b

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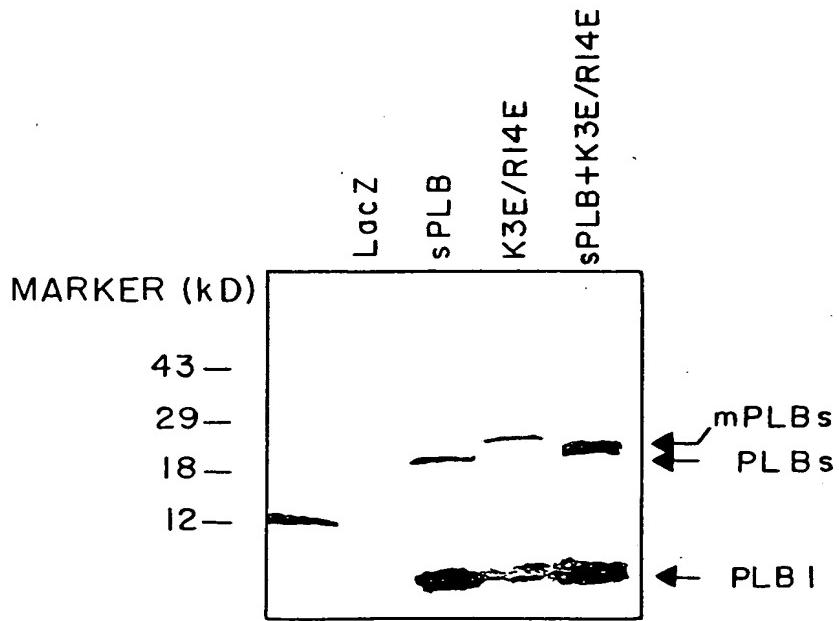
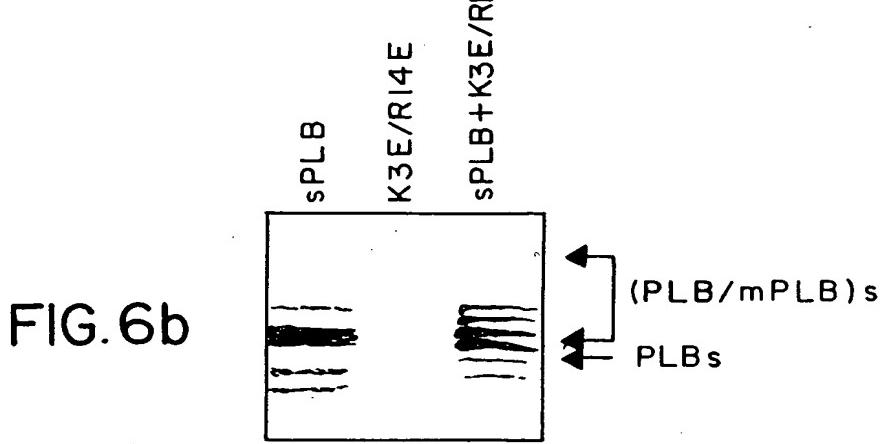
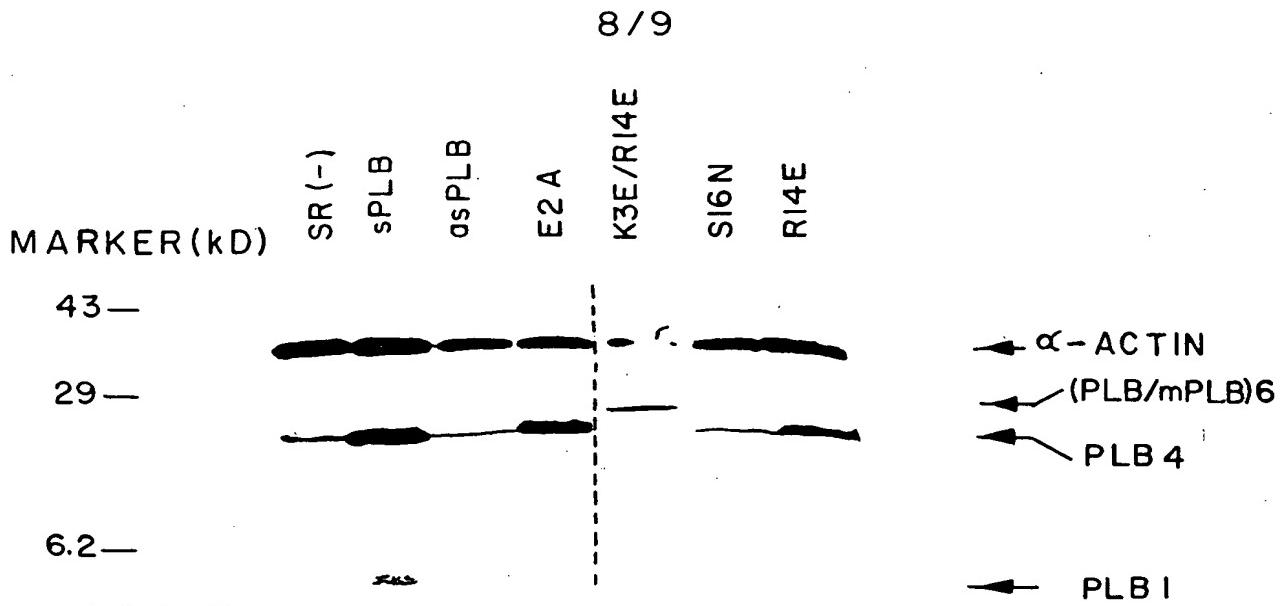


FIG. 6c

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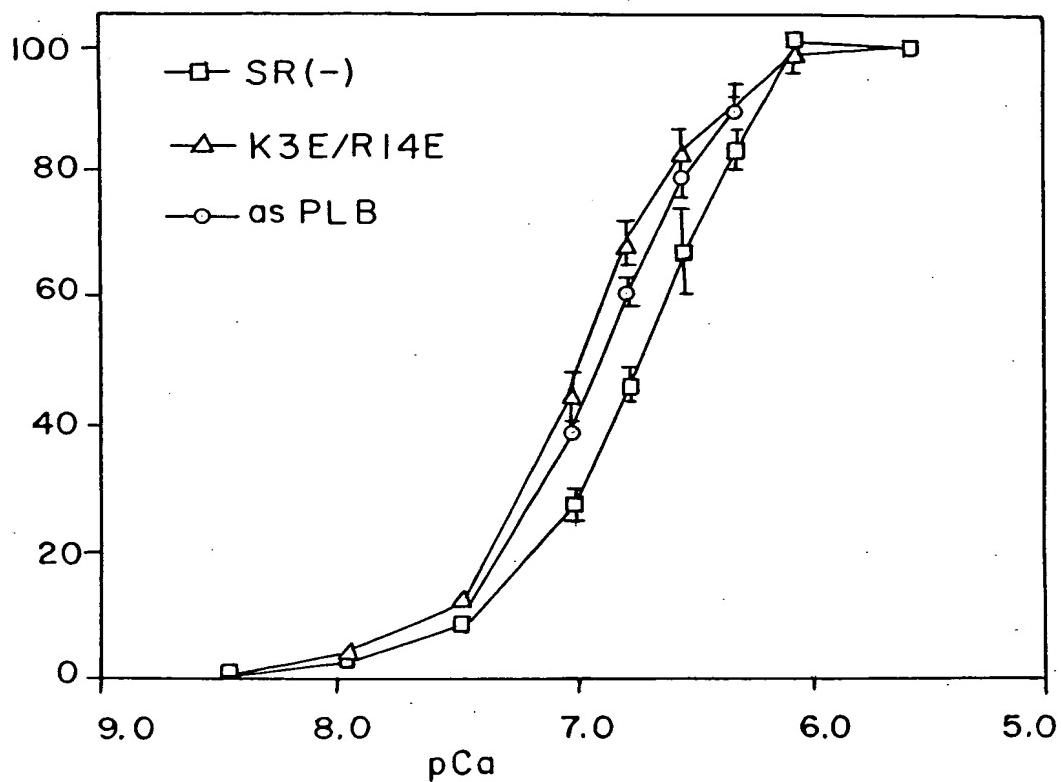


FIG. 7

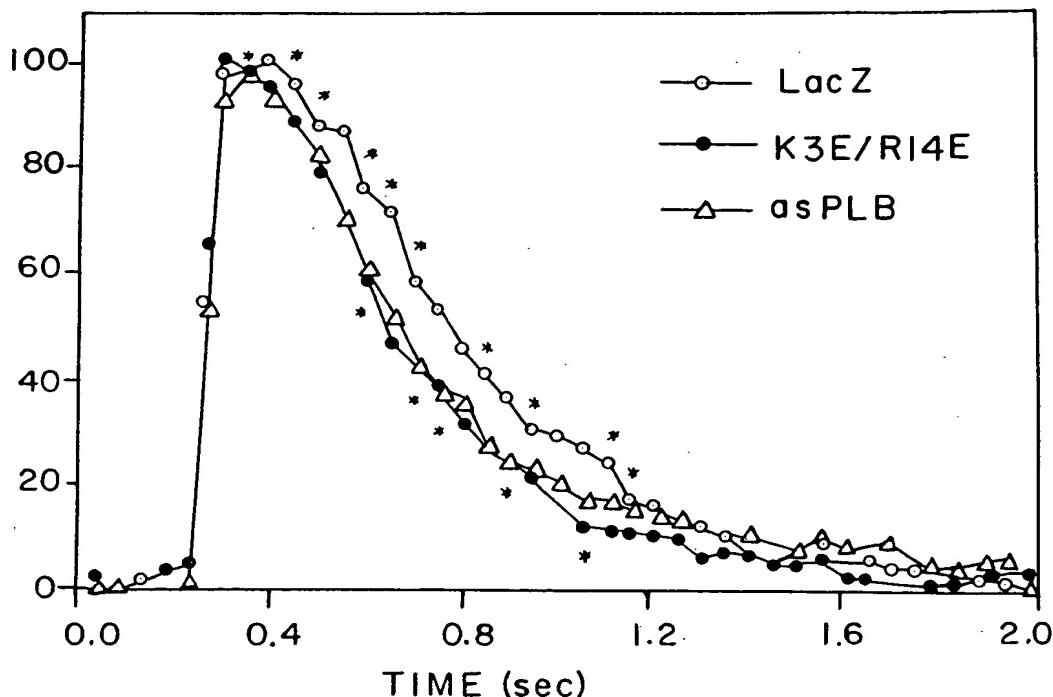


FIG. 8